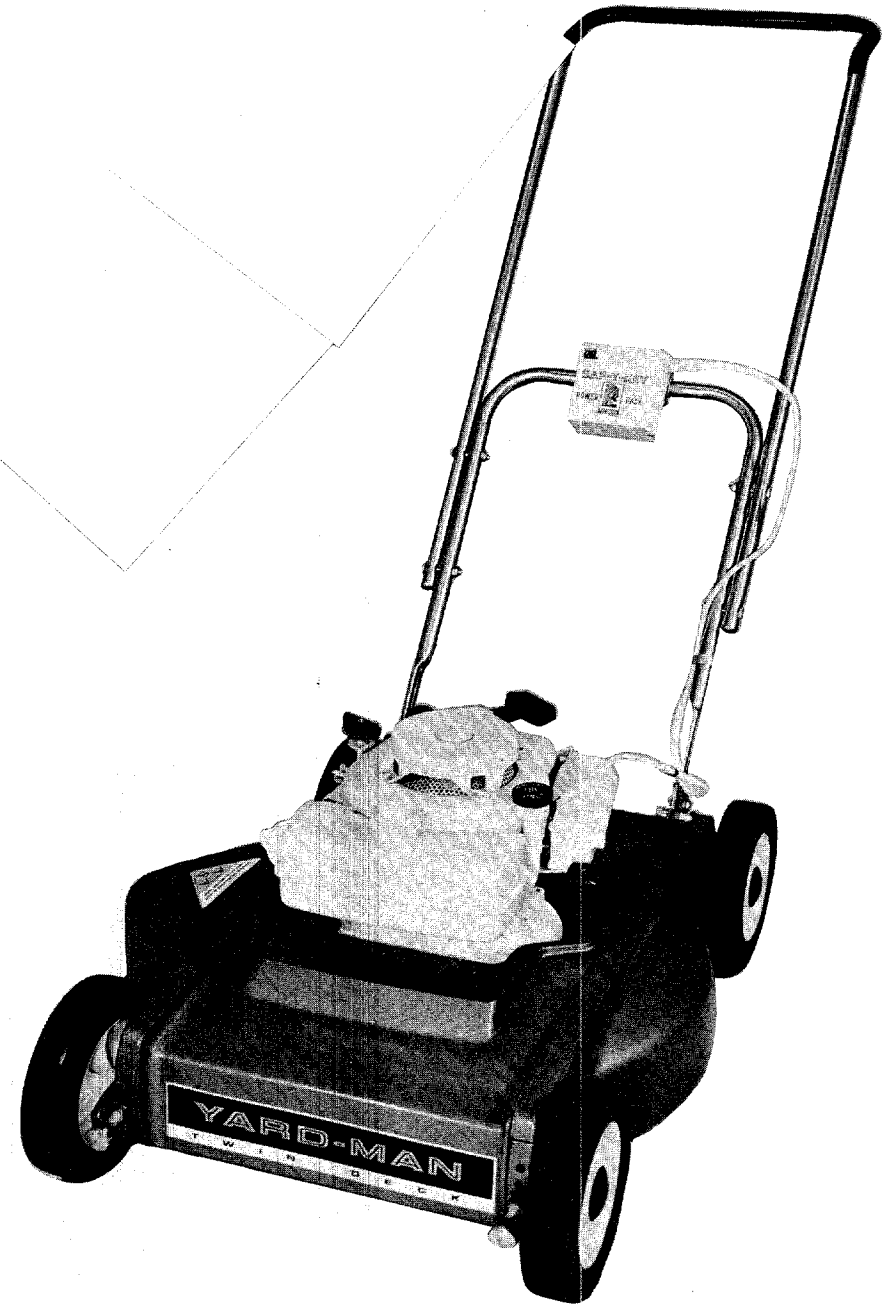
OWNERS
OPERATING MANUAL
and PARTS LIST

MODEL
2300-0
20 INCH
ROTARY MOWER
(ELECTRIC START)



MANUFACTURERS • CERTIFICATION
CONFORMS TO SAFETY STANDARDS

PRINTED IN U.S.A.

0611-500-A

YARD-MAN INC
Jackson, Michigan
BUILDERS OF THE ORIGINAL SILENT YARD-MAN LAWN MOWER

RULES FOR SAFE OPERATION

Your rotary is a precision piece of power equipment, engineering skill and experience have been combined to provide the ultimate in safety and efficiency. However, as with any type of power equipment, carelessness or error on the part of the operator can result in injury. Therefore, exercise extreme caution at all times.

1. **KNOW YOUR MACHINE** Read the Owner's Manual carefully - learn how to operate your mower properly.
2. **MAKE SURE THE LAWN IS CLEAR** of sticks, stones, wire and other hazardous items from lawn before mowing. Such items are dangerous to both the mower and individuals in the vicinity of the mower.
3. **ADD FUEL** before starting engine - - - never when engine is hot or running.
4. **ALWAYS STOP ENGINE** and disconnect sparkplug wire before attempting any repairs or adjustments.
5. **START THE ENGINE CAREFULLY** Always stand at side opposite discharge chute. **NEVER** place hands or feet under mower or near discharge chute while engine is running.
6. **DO NOT TILT MOWER** at extreme angle while engine is running. Cut grass on hills and banks sideways.
7. **STOP THE ENGINE** when not cutting grass.
8. **DO NOT ALLOW MINORS** to operate mower unless thoroughly instructed and and properly supervised.
9. **KEEP CHILDREN AND PETS AWAY** from area at all times during mowing operation.
10. **DISENGAGE ALL BLADE AND DRIVE CLUTCHES** before starting units so equipped. Do not attempt to start engine while mower is resting in high grass.

LAWN CARE:

1. It is not advisable to cut off more than 1/3 of the total length of the grass at any one mowing.
2. When mowing thick, lush wet grass, start at outside of lawn and mow in counter-clockwise direction to prevent mower from recutting clippings from previous rounds.
3. When mowing thin or dry grass, start at outside of lawn and mow in clockwise direction to progressively discharge clippings to center of lawn where they can easily be removed.
4. Recommended normal cutting heights for different types of grass:

1½ to 2½	— Med. to Med. High	Marion blue grass
1½ to 2½	— Med. to Med. High	Kentucky blue grass
1 to 2	— Med. - Low to Med.	Fescues
1 to 2	— Med. - Low to Med.	Rye grass
1 to 1½	— Low to Med. Low.	Bermuda
1 to 1½	— Low to Med. Low.	Zoysia
1 to 2	— Med. - Low to Med.	Bent grass

SUGGESTIONS FOR MORE EFFICIENT, AND MAINTENANCE-FREE OPERATION

GENERAL MOWING:

1. Always keep mower blade "Knife" sharp and balanced for maximum cutting efficiency.
2. Always start engine with mower on level surface where blade will not drag on tall grass or other obstructions After starting, let engine warm up several minutes at slow speed before starting to mow.
3. When mowing under normal conditions, run mower at ½ to ¾ throttle for best results.
4. When cutting tall heavy growth, or on rough ground, place mower in highest cut position and gradually reduce to desired cutting height over course of two or three mowings.

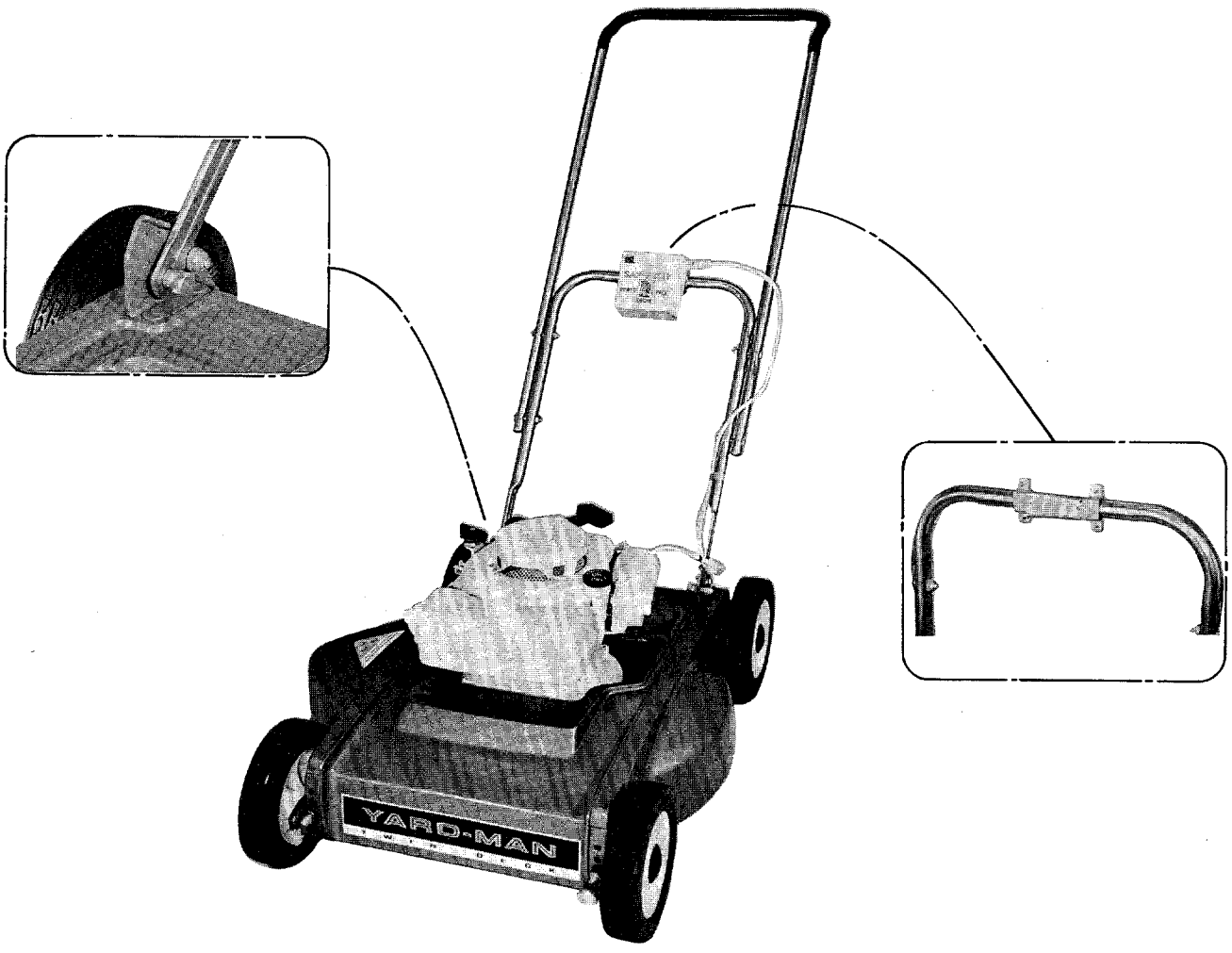
USING GRASS CATCHER:

1. When using grass catcher, operate mower engine at ¾ to full throttle.
2. In heavy dense turf, set cutting height in medium to high position.
3. Allow wet grass to dry before attempting to mow with grass catcher attached.
4. Empty catcher bag thoroughly before storage.

MAINTENANCE

Your mower like all machines with moving parts must receive care and maintenance. The following tips, if used, will contribute many trouble-free hours to your mower.

1. Check oil level frequently. When changing oil, make sure dirt and debris cleaned off oil sump before removing oil plug.
2. Keep mower clean, especially the engine well and underside of mower housing.
3. Check all nuts, bolts and screws occasionally to be sure mower is in good operating condition.
4. Should excessive vibration develop, check your blade and crankshaft immediately. Do not operate mower with an unbalanced blade, a damaged blade or a damaged crankshaft.
5. The wheel bearings are pre-lubricated at the factory and should require no further attention until mower is serviced. However, it is advisable to remove the wheels and apply a small amount of light oil to each axle, at least once a season.
6. If you are going to store your mower for any length of time (30 days or longer) it is important that the following steps be taken:
    a. Drain the gas tank and carburetor. Allow the engine to run out of gas, gasoline left in the engine will leave gum deposits in the carburetor and gas tank.
    b. Clean engine of all foreign matter.
    c. Lubricate cylinder by removing the spark plug and pouring one ounce of clean lubricating oil through the spark plug hole into the cylinder, Crank engine slowly to spread oil and replace spark plug.
7. Just as your automobile needs professional mechanical maintenance from time to time, so does your air cooled engine. A yearly tune-up and check by a qualified service center is recommended to avoid breakdowns and unnecessery delays during the cutting season.



PREPARING YOUR YARD-MAN MOWER FOR USE

SET UP

Your Yard-Man mower is shipped in one carton with the handle and electric start power pack shipped loose. Assemble handle as shown above and starter power pack as indicated in the instructions supplied by the starter manufacturer. Read the directions carefully before operating power pack.

BEFORE STARTING ENGINE:

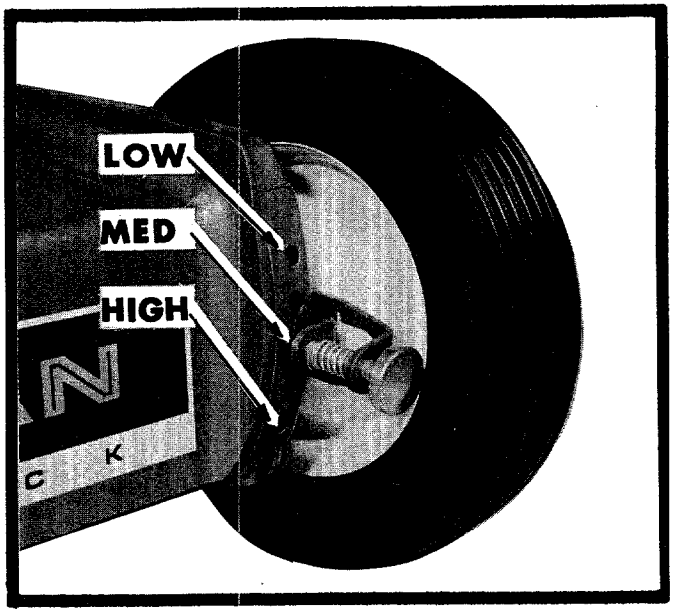
Remove oil fill plug and fill crankcase with a good grade S.A.E. No. 30 oil.
Fill fuel tank with good grade regular, clean, fresh gasoline.
DO NOT MIX OIL WITH GASOLINE.

STARTING ENGINE:

For complete engine starting and maintenance instructions — read the instruction booklets — furnished by the engine manufacturer — carefully before attempting to start the engine.

TO ADJUST CUTTING HEIGHT

Pull out plungers on wheel adjust levers and move levers DOWN for higher cut or UP for lower cut as shown and release plungers. Be sure plungers are firmly seated in adjustment holes.



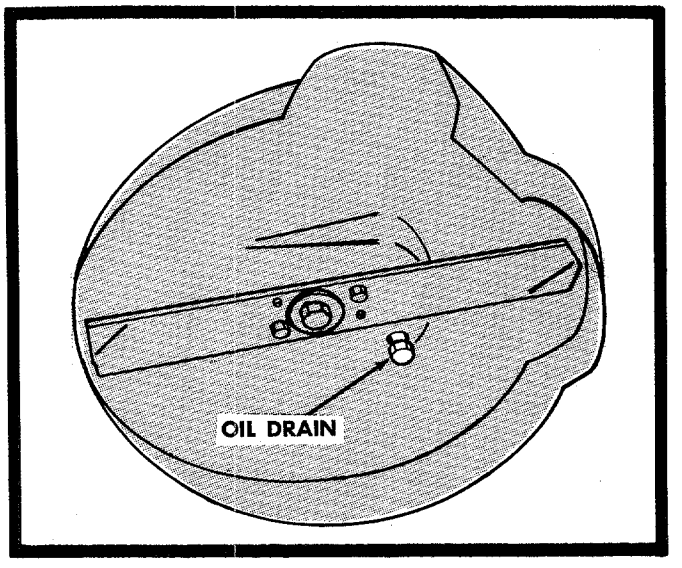
LUBRICATION AND MAINTENANCE

All wheel bearings are pre-lubricated at the factory and require no further attention until mower is serviced.

Engine oil should be changed after the first 5 hours of operation and each 20 hours of operation thereafter.

TO CHANGE OIL

Drain oil while engine is warm. Disconnect spark plug wire and secure at least 1" away from spark plug. Block right hand side of mower up about 4" high and set shallow one quart pan beneath oil drain. Remove cap from end of drain pipe and allow oil to drain completely. Replace cap on drain pipe, tighten securely and refill with 1¼ pints S.A.E. #30 oil.

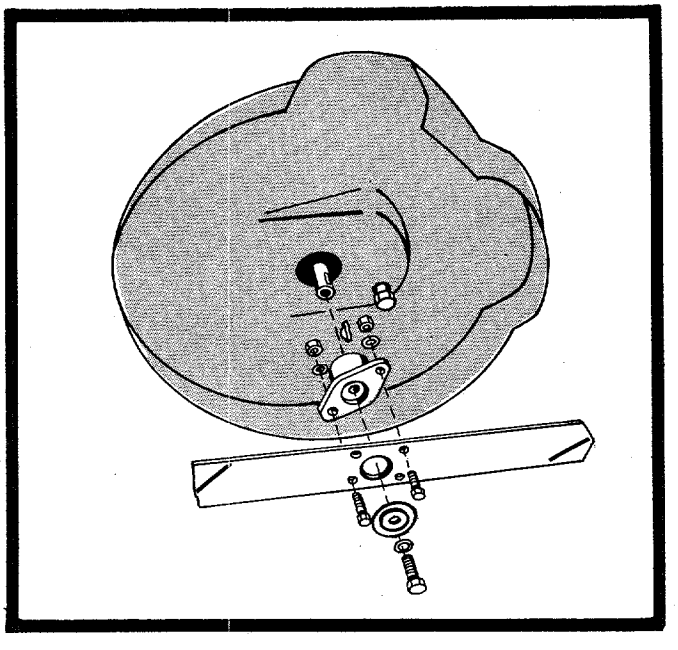


BREAK-IN PERIOD

During the first ten hours of operation, check the following items frequently.

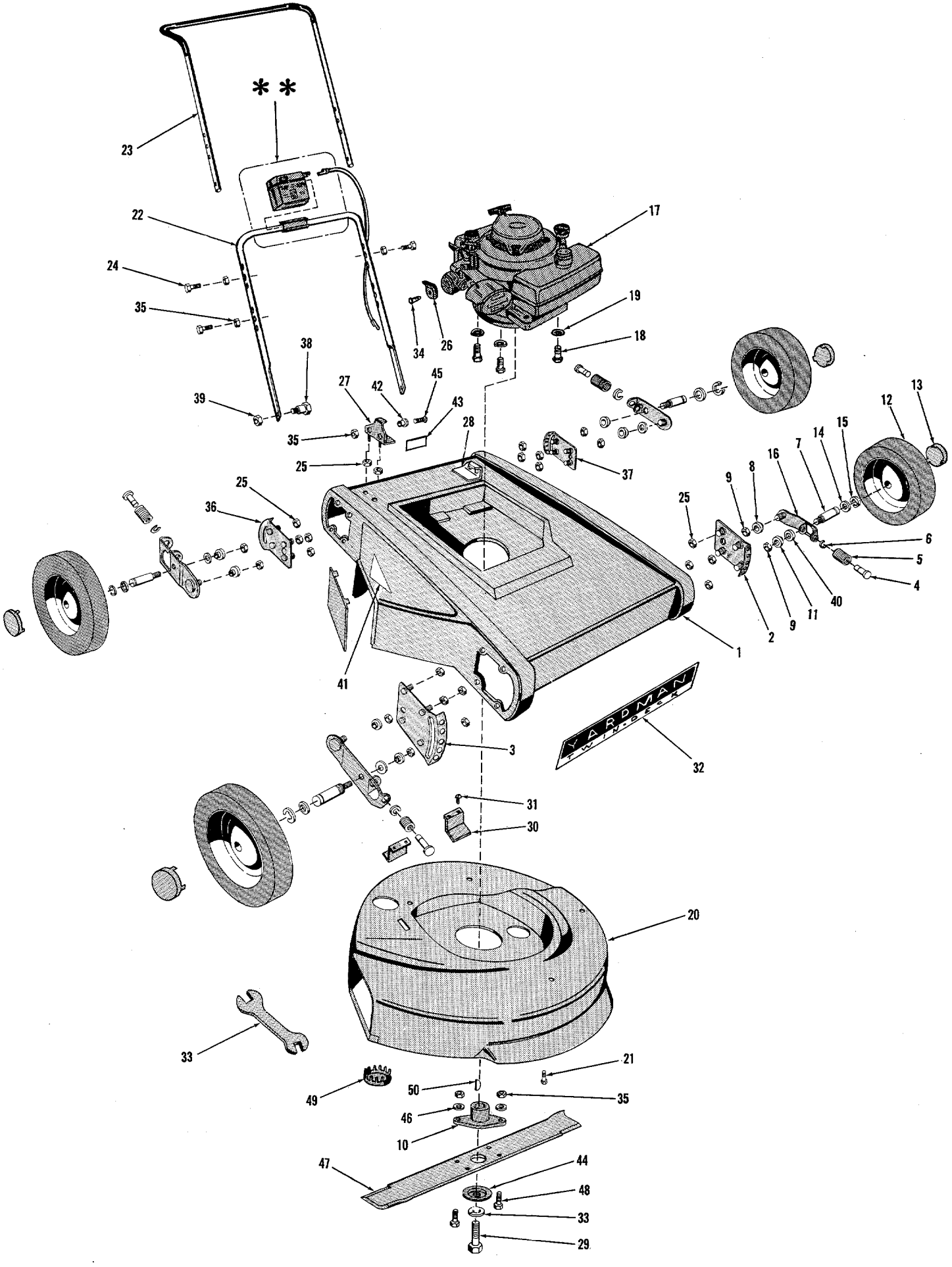
OIL LEVEL IN ENGINE CRANKCASE

ALL BOLTS, NUTS AND SCREWS FOR TIGHTNESS



TO REPLACE BLADE

1. Be sure engine is stopped, disconnect spark plug wire and secure at least 1" away from spark plug.
2. Tip mower with carburator side down.
3. Remove blade bolts and washers.
4. Remove blade and replace with a new one.
5. Sharpen dull blade maintaining proper balance.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PARTS LIST

MODEL 2300-0

Your Mower is right hand (R.H.) or left hand (L.H.) as you Mow.

REF. NO.	PART NO.	NAME OF PART
1	5601-108-17	Housing
2	2111-71-17	Assembly—Plate L.H.
3	2111-72-17	Assembly—Plate R.H.
4	1547-9	Pin Adjusting
5	1642-18	Spring—Pin Actuating
6	1650-10	Retaining Ring
7	1631-34	Axle—Wheel
8	1657-10	Bushing—Axle
9	41-028	*Nut (5/16-24 Hex. Hd.)
10	1143-5-01	Ass'y—Blade Adapter
11	1657-7	Bushing—Axle
12	1108-112-41	Assembly—Wheel & Tire
13	1674-36-40	Hub Cap
14	39-012	*Washer—Axle (½ x 1" x .058)
15	1650-1	Ring
16	1113-30-17	Lever—Wheel Adjust
17		Tecumseh Model No. LAV 30
18	1513-56	Bolt—(⅜-16 x 1⅛)
19	1076	*Washer—Lock ⅜"
20	2162-9	Assembly—Grass Baffle
21	1511-31	*Screw—(#10-16 x ⅜)
22	4712-44-01	Handle—Lower
23	2117-40-01	Handle—Upper
24	1509-69	*Bolt—(¼-20 x 1¾ Hex)
25	1539-52	Nut—Special ¼-20
26	1189-6	Ass'y—Muffler Deflector
27	1132-66-17	Ass'y—Handle Bracket—R.H.
28	1132-65-17	Ass'y—Handle Bracket—L.H.
29	1509-101	*Bolt (⅜-24 x 1⅛" Hex. Hd.)
30	1609-257	Bracket—Baffle Mtg.
31	1016	Screw
32	2616-252	Label
33	1542-8	Washer—Lock (⅜ Split)
34	1511-34	Screw (8-32 x ½ Rd. Hd.)
35	1538-8	Nut (¼-20 Lock)
36	2111-76-17	Assembly—Plate R.H.
37	2111-75-17	Assembly—Plate L.H.
38	1513-57	Shoulder Bolt
39	1537-2	Nut (5/16-24 Hex. Lock)
40	141	Washer
41	1616-242	Label—Caution
42	1657-33	Bushing
43	1605-395	Name Plate
44	1543-39	Washer—Blade Drive
45	1509-74	Bolt (¼-20 x ⅞ Hex. Hd.)
46	1018	*Washer—Blade Retainer
47	3604-39-01	Blade
48	1509-34	*Bolt—Blade Retainer (¼-20 x ¾)
49	1649-35	Plug Button
50	1646-8	*Key—#6 Woodruff
51	3104-6-17	Ass'y—Leaf Mulcher Available As Accessory — $1.00 ea.

** **Note:** Order all service parts for the engine and the Electric Start Power Pack from your nearest authorized Tecumseh Products Service Center.

*Standard Hardware Item—May be Purchased Locally

When you own this - -

YARD-MAN

20" ROTARY MOWER

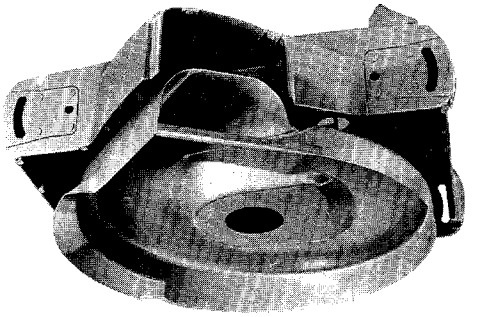
you enjoy these outstanding features

QUICK SET HEIGHT ADJUSTMENT

For fast selection of Hi, Med., Lo cutting heights

CLEAN-FLO DISCHARGE CHUTE FOR SAFETY BAG

Vac-U-Lift blade cuts clean, smooth for finer discharge into full loading Safety Grass Bag.



NEW TWIN/DECK SAFETY HOUSING

Light weight Aluminum alloy housing protection with clean flow steel grass tunnel insert — result greater mowing performance.

WARRANTY

This YARD-MAN unit is guaranteed for one year from date of purchase (90 days when used commercially) against defects in workmanship or material under normal use and service.

We agree to repair or replace without charge to the purchaser, including labor, any part proven to be defective within the warranty period, except the Engine which is the responsibility of the Engine manufacturer.

Parts for this YARD-MAN unit will be available for at least ten years from the date of purchase. This warranty will not apply to a unit which has been subjected to—misuse, negligence, an accident, or to a unit which has been altered in any way.

YARD-MAN INC

JACKSON, MICHIGAN